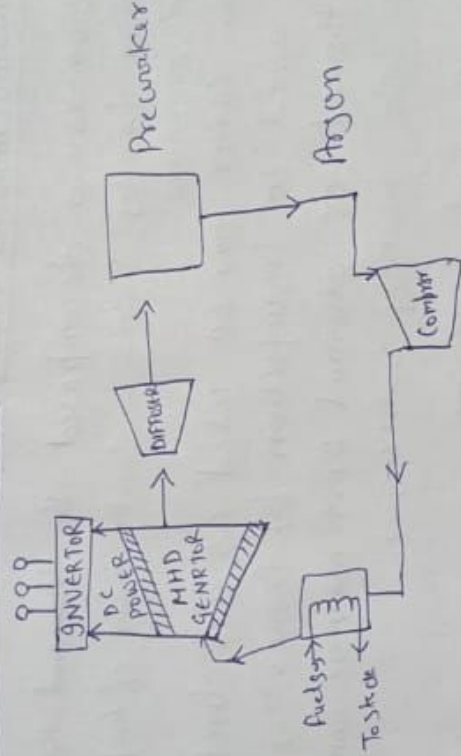


① Sec-3  
Explain the following.

a) Open cycle MHD SYSTEM?  
⇒ MHD (Magneto Hydro Dynamic): The MHD deals with generation of electric field, when ionized fluid at high temperature passes through the applied magnetic field. The direct current is generated from the system with the expense of thermal energy.

b) Closed cycle MHD :-



The very high thermal efficiency is achieved with low cost in closed cycle plant and provides more useful power at low temp. at  $1600^{\circ}\text{C}$ . The duct of these unit is small because of high pressure.